

High accuracy and precision for a minimum of price!



PRECISION POCKET THERMOMETER

GTH 175/Pt

Battery operation, complete with probe

Application: high-precision measurements in liquids, core measurements (using insertion probe), for air/gases or as reference device for calibrating other, more expensive systems!

Specification

Measuring range: -199,9 ... +199,9 °C
Resolution: 0,1 °C
Accuracy: 0,1 % of m.v. ±2 digit (within range of: -70.0 ... +199.9 °C), probe is calibrated to the device, i.e. the error in the range of 0 to 100 °C will be approx. 0,1 °C ± 1 digit.
Probe: Pt1000, 2-wire, electrically isolated and mounted in st. steel tube (1.4571) 3 mm Ø and approx. 100 mm long, plastic handle approx. 135 mm long, anti-buckling glanding and 1 m of highly flexible silicone cable - permanently connected to the device.
Display: 3½ digit, approx. 13 mm high
Nominal temperature: +25 °C
Working temperature: -30 to +45 °C
Storage temperature: -30 to +70 °C
Power supply: 9V battery type IEC 6F22 (included)
Battery service life: approx. 200 operating hours
Low battery warning: „BAT“
Dimensions: device: approx. 106 x 67 x 30 mm (H x W x D). impact resistant ABS plastic housing
Weight: approx. 190 g (incl. battery and probe)

GTH 175/Pt-E instrument with insertion probe

Specification: refer to GTH 175/Pt probe (st. steel tube, Ø 3mm x 100mm) like above, however with insertion probe for all soft media

GTH 175/Pt-K core temperature meas. instrument

Specification: refer to GTH 175/Pt probe (st. steel tube, Ø 3mm x 100mm) like above, however with teflon handle and 1m teflon cable. Both handle and cable are resistant to **air temperature of up to 250 °C** and can remain in the oven.

Option (upcharges)

- Probe water-proof

Probe like GTH 175/Pt but with PVC-cable (max. 100 °C) and sealed handle (max. 70 °C)

Special design types: (on request)

e.g. probe cable in another length, sensor tube in another length.

Accessories

GB 9 V spare battery

GKK 1100 case (340 x 275 x 83 mm) with foam lining

Komplett-offering device incl. certificate of calibration and case

p.r.t. page 5

for additional accessories p.r.t. page 56 - 58

High accuracy and precision, plug-in probe, battery and permanent mains operation possible



PRECISION THERMOMETER

GMH 175

Battery/mains operation, for plug-in probes, Pt1000 2-wire

Application: high-precision measurements in liquids, soft media, air/gases

Specification

Measuring range: -199,9 ... +199,9 °C
Resolution: 0,1 °C
Accuracy: (at nominal temperature = 25°C) device: 0,1 °C ± 1 digit (within range of: -70.0 ... +199.9 °C)
Probe: Pt1000 probe, 2-wire, probe connection via 3.5 mm Ø jack connector.
 Probes not included - please order separately!
For suitable, volt-free sensors see below or refer to page 122.
Display: 3½ digit, approx. 13 mm high
Working temperature: -30 to +45 °C (**low temperature** - for use in cold storage rooms!)
Storage temperature: -30 to +70 °C
Power supply: 9V-Battery type IEC 6F22 (included) as well as additional d.c. connector for external 10.5-12V direct voltage supply. (suitable power supply: GNG10/3000)
Battery service life: approx. 200 operating hours
Low battery warning: „BAT“
Dimensions: approx. 142 x 71 x 26 mm (H x W x D). impact resistant ABS plastic case, front side IP65, integrated pop-up clip for table top or suspended use.
Weight: approx. 160 g (incl. battery)

Accessories

Suitable plug-in temperature probes: (Probes interchangeable without recalibration.)

GTF 175 immersion probe for liquids and aggressive gases

GES 175 insertion probe for soft media

GOF 175 surface probe for any solid surface

GLF 175 air/gas probe for clean media

Detailed description and more probes please refer to page 122

ST-R1 device protection bag with cut-out for probe connection, suitable for GMH175, ...

GB 9 V spare battery

for additional accessories p.r.t. page 56 - 58